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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/821,000	04/07/2004	Lida Nobakht	CTV-002-1D	9297

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EXAMINER
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HU, JINSONG

ART UNIT	PAPER NUMBER
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2154

MAIL DATE	DELIVERY MODE
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01/10/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/821,000	<b>Applicant(s)</b> NOBAKHT ET AL.	
	<b>Examiner</b> Jinsong Hu	<b>Art Unit</b> 2154	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 29 October 2007.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-34 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 21-25 is/are allowed.
- 6) ☒ Claim(s) 1-20 and 26-34 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

### **DETAILED ACTION**

1. In view of the Appeal Brief filed on 10/29/07, PROSECUTION IS HEREBY REOPENED. New grounds of rejections are set forth below.

To avoid abandonment of the application, appellant must exercise one of the following two options:

- (1) file a reply under 37 CFR 1.111; or,
- (2) request reinstatement of the appeal.

If reinstatement of the appeal is requested, such request must be accompanied by a supplemental appeal brief, but no new amendments, affidavits (37 CFR 1.130, 1.131 or 1.132) or other evidence are permitted. See 37 CFR 1.193(b)(2).

2. Claims 1-34 are presented for examination.

### ***Claim Rejections - 35 USC § 112***

3. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

4. Claims 26-28 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

A. The claim language in the following claims is not clearly understood.

As per claim 26, the limitations of "a plurality of channel numbers" and "a first channel number" are not clearly defined and explained, because they are all related to Internet address and Internet site name, what the relationship exist between "a first channel number" and "a plurality of channel members", why the user only enter a first channel number. Correction is required.

***Claim Rejections - 35 USC § 101***

5. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

6. Claims 26-28 are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter. In claim 26, there is no definition in the specification for "means", it make this term could be interpreted as software code. Examiner suggests the applicant to amend the claim to make the function related to hardware. Correction is required.

***Claim Rejections - 35 USC § 102***

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section

351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

8. Claims 1, 3-4, 6-11 and 17 are rejected under 35 U.S.C. 102(e) as being anticipated by Lin et al. (US 6,381,748 B1).

9. As per claims 1 and 4, Lin teaches the invention as claimed including a user terminal [112, Fig. 1] of a channel-based network [col. 1, line 64 – col. 2, line 2], the user terminal comprising:

a memory circuit [310, Fig. 3] that is configured to store a channel table [512, Fig. 5], the channel table including a plurality of channel numbers and a plurality of Internet Address [Figs. 5 & 8], each channel number having an associated Internet address and an associated Internet site name [Fig. 5; col. 5, lines 28-39]; an input device for entering a selected channel number [col. 5, lines 40-42]; and

means for reading the Internet address associated with the selected channel number from the memory circuit, and for connecting the user terminal to a selected Internet site that is addressed by the Internet address associated with the selected channel number, such that communications between the user terminal and the selected Internet site are transmitted only via the Internet [col. 5, line 58 – col. 6, line 3].

10. As per claim 3, Lin teaches that the memory circuit comprises a flash memory [310, Fig. 3].

11. As per claim 6, Lin teaches that each Internet site name stored in the channel table includes an associated favorite site code [user defined][col. 5, lines 6-8] and wherein processor includes means for listing on a display apparatus a group of Internet site names that are associated with favorite site codes having a predetermined value [col. 5, 30-36].

12. As per claim 7, Lin teaches that a display apparatus displays the plurality of channel numbers and associated Internet site names that are stored in the memory circuit [318, Fig. 3; 512, Fig. 5].

13. As per claim 8, Lin teaches that the display apparatus comprises a television [114, Fig. 1].

14. As per claim 9, Lin teaches that the means for reading comprises:  
communication circuitry [RF Mod, Fig. 9] configured to transmit signals to and receive signals from the Internet [col. 7, lines 19-23 & col. 61-62];

a control unit for receiving the selected channel number from the input device [inherent in Lin's system]; and

a processor [910, Fig. 9] configured to read the Internet address associated with the selected channel number from the memory circuit, and to transmit the associated Internet address via the communication circuitry onto the Internet [col. 8, lines 16-21].

15. As per claim 10, Lin teaches that the control unit comprises a system controller [910, Fig. 9] and a micro-controller [930, Fig. 9] connected to the system controller via an interface port [col. 45, lines 46-55].

16. As per claim 11, Lin teaches that control unit further comprises an infra-red detector connected to the micro-controller, and wherein the input device comprises means for transmitting infra-red signals to the infra-red detector [inherent in Lin's system].

17. As per claim 17, Lin teaches that a set-top box connected to a television [112, 114, Fig. 1].

### ***Claim Rejections - 35 USC § 103***

18. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

19. Claims 2, 12-16, 18-20 and 29-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lin et al. (US 6,381,748 B1) as applied to claims 1, 3-4, 6-11 and 17 above.

20. As per claim 2, Lin teaches the invention substantially as claimed in claim 1. Additionally, Lin teaches that the memory circuit of the user terminal comprises a RAM [col. 1, lines 14]. Lin does not specifically teach that the memory circuit comprises a synchronous dynamic random access memory (SDRAM). It would have been obvious to a person of ordinary skill in the art at the time the invention was made to include a SDRAM in Lin's system because doing so would eliminate wait time associate with memory fetches between RAM and CPU. One of ordinary skill in the art would have been motivated to modify Lin's system with a SDRAM in order to increase the speed of the system.

21. As per claims 12-14, Lin teaches the invention substantially as claimed in claim 1. Lin does not specifically that the input device comprises a joystick or a QWERTY keyboard. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to include a joystick or a QWERTY keyboard in Lin's system because they are the well-known computer input devices in the art.

22. As per claims 15 and 30, Lin teaches the invention substantially as claimed in claim 1. Lin does not specifically teach that the user terminal comprises a smart card socket and an interrupt switch connected between the system controller and the smart card socket. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to include these devices in Lin's system because they are the well known communication devices in the art. One of ordinary skill in the art would



have been motivated to modify Lin's system with these devices because doing so would improve the system's capability of handling various communication devices.

23. As per claim 16, Lin teaches the invention substantially as claimed in claim 1. Lin does not specifically teach the step of storing the version number of the channel table in the memory. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to include the version number in Lin's system because doing so would bring the convenience to the users by allowing them to select the relevant version of the channel table they prefer. One of ordinary skill in the art would have been motivated to modify Lin's system with the version number to attract more users.

24. As per claims 18-20, Lin teaches the invention substantially as claimed in claim 1. Lin does not specifically teach that the user terminal comprises a personal computer or a cellular telephone or a personal digital assistant. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to include these user terminals in Lin's system because they are well known in the art for being used as web site navigation devices. One of ordinary skill in the art would have been motivated to modify Lin's system with these user terminals because doing so would allow the users select the right terminal they willing to use for accessing the web site.

25. As per claims 29 and 31, since they teach the same limitations as claims 1-2 and 15, they are rejected under the same basis as claims 1-2 and 15 above.

26. As per claims 32-34, Lin teaches the invention substantially as claimed in claim 1. Lin does not specifically teach the step of updating the user table by downloading new table from the server. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to include the erasing step in Lin's system to keep the latest information by erasing the useless memory. One of ordinary skill in the art would have been motivated to modify Lin's system with the erasing step to reduce the memory storage space.

27. Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lin et al. (US 6,381,748 B1) in view of Rosin et al. (US 6,397,387 B1).

28. As per claim 5, Lin teaches the invention substantially as claimed in claim 1. Lin does not specifically teach that each Internet address stored in the channel table includes an associated parental guidance code, and wherein processor includes means for preventing the transmission of Internet addresses that are associated with parental guidance codes having a predetermined – value.

29. Rosin et al. on the other hand teach that each Internet address stored in the channel table includes an associated parental guidance code [col. 12, lines 45-49], and

wherein processor includes means for preventing the transmission of Internet addresses that are associated with parental guidance codes having a predetermined – value [col. 12, lines 36-45]. It would have been obvious to a person of ordinary skill in the art at the time the invention was made to combine the teaching of Lin and Rosin because using Rosin's parental guidance code in Lin's system would prevent the young people expose to inappropriate content [Rosin, col. 12, lines 36-39]. One of ordinary skill in the art would have been motivated to modify Lin's system with Rosin's parental guidance code to prevent the young people expose to inappropriate content.

### ***Allowable Subject Matter***

30. Claims 21-25 are allowed. Claims 26-28 are not rejected under art.

### ***Conclusion***

31. In the remarks, applicant argued in substance that (1) Lin only teaches the method of connecting the user terminal to the Internet through a server, not connecting the user terminal to the Internet directly; (2) Lin does not teach downloading the channel table.

32. Examiner respectfully traverses applicant's remarks:

A. As to point (1), the claim language in claim 1 directs to the communication between user and web site only via Internet, the limitation restrict the network only be

Internet other than any other network, but the limitation still does not clarify the user will link to the Internet site directly without a intermediate server. Furthermore, although the user's terminal in Lin's system being connected to the Internet through a server, the communication between the user terminal and the selected site is still via the Internet as the Applicant claimed in the claims. Additionally, in the independent claims 1, 21, 26 and 33, the Applicant uses "comprise" to claim the elements of the system, that means the elements of the system should not limited as the Applicant claimed. Thus, Lin is still a relevant prior art reference.

B. As to point (2), applicant fails to consider the teaching of Lin for displaying the channel table by user terminal to let the user make a selection, if the table has not been cashed/saved/stored in the user terminal, how the code can be decoded and read by user. Thus, Lin does teach the downloading step.

33. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jinsong Hu whose telephone number is (571) 272-3965. The examiner can normally be reached on 8:00 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915 can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

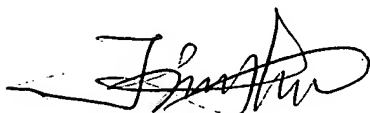
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For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Jinsong Hu', with a stylized, cursive script.

Jinsong Hu

January 7, 2008